

ABSTRACT OF THE DISCLOSURE

To provide probe carrier having a structure that a single-stranded DNA probe can be immobilized to a carrier effectively and forms of probe dots or
5 spots immobilized to the carrier can be observed accurately by a scanning probe microscope or its derivative technology. A gold-containing film is formed in an area of the carrier where the single-stranded DNA probe is immobilized and the single-
10 stranded DNA probe is immobilized to this film through a sulfur atom.